R5-84 ... IL-0376-08 Mod Quy 12-17-84

EPA

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION
01 STATE: IL
02 SITE NUMBER: New Site

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site): MSDGC-Nu Earth Harlem Ave Dump Site	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER: 4900 Block South Harlem Ave.
03 CITY: Mc Cook	04 STATE: IL; 05 ZIP CODE: 60525; 06 COUNTY: Cook; 07 COUNTY CODE: 031; 08 CONG DIST: 5
09 COORDINATES LATITUDE: 41 48 08.0 LONGITUDE: 087 48 33.0	Berwyn Quad (32D)

10 DIRECTIONS TO SITE (Starting from nearest public road): See Attached Map

III. RESPONSIBLE PARTIES

01 OWNER (If known): Metro Sanitary Dist Chicago	02 STREET (Business, mailing, residential): 100 East Erie
03 CITY: Chicago	04 STATE: IL; 05 ZIP CODE: 60611; 06 TELEPHONE NUMBER: (312) 751-5600
07 OPERATOR (If known and different from owner): Same	08 STREET (Business, mailing, residential):
09 CITY:	10 STATE: ; 11 ZIP CODE: ; 12 TELEPHONE NUMBER: ( )

13 TYPE OF OWNERSHIP (Check one)
☐ A. PRIVATE ☐ B. FEDERAL: ______ (Agency name) ☐ C. STATE ☐ D. COUNTY ☒ E. MUNICIPAL
☐ F. OTHER: ______ (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)
☐ A. RCRA 3001 DATE RECEIVED: __/__/__ (MONTH DAY YEAR) ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: __/__/__ (MONTH DAY YEAR) ☒ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION
☒ YES DATE 10/8/75 (MONTH DAY YEAR) 4-5-79
☐ NO

BY (Check all that apply)
☐ A. EPA ☐ B. EPA CONTRACTOR ☒ C. STATE ☐ D. OTHER CONTRACTOR
☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER: ______ (Specify)
CONTRACTOR NAME(S): ______

02 SITE STATUS (Check one)
☐ A. ACTIVE ☐ B. INACTIVE ☐ C. UNKNOWN

03 YEARS OF OPERATION
~1930 (BEGINNING YEAR) | Present (ENDING YEAR) ☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
Heavy Metals (Toxic/Persistant)

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
Ground Water (Environment)
Surface Water (Environment)

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)
☐ A. HIGH (Inspection required promptly) ☒ B. MEDIUM (Inspection required) ~~☒ C. LOW~~ (Inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT: Raymond R Rimkus	02 OF (Agency/Organization): MSD of Greater Chicago		03 TELEPHONE NUMBER: (312) 751-5722
04 PERSON RESPONSIBLE FOR ASSESSMENT: Richard Lange	05 AGENCY: IEPA	06 ORGANIZATION: DLPC	07 TELEPHONE NUMBER: (217) 782-9851
			08 DATE: 10/25/84 (MONTH DAY YEAR)

EPA FORM 2070-12 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	New Site

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- ✓ A SOLID
- B POWDER, FINES
- ✓ C SLUDGE
- D OTHER (Specify)
- E SLURRY
- F LIQUID
- G GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

- TONS
- CUBIC YARDS 600,000
- NO OF DRUMS

03 WASTE CHARACTERISTICS (Check all that apply)

- ✓ A TOXIC
- B CORROSIVE
- C RADIOACTIVE
- ✓ D PERSISTENT
- E SOLUBLE
- F INFECTIOUS
- G FLAMMABLE
- H IGNITABLE
- I HIGHLY VOLATILE
- J EXPLOSIVE
- K REACTIVE
- L INCOMPATIBLE
- M NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE	600,000	yards³	
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS	UnKnown		

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
	UnKnown				

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

IEPA Files (Water)

Executive Summary

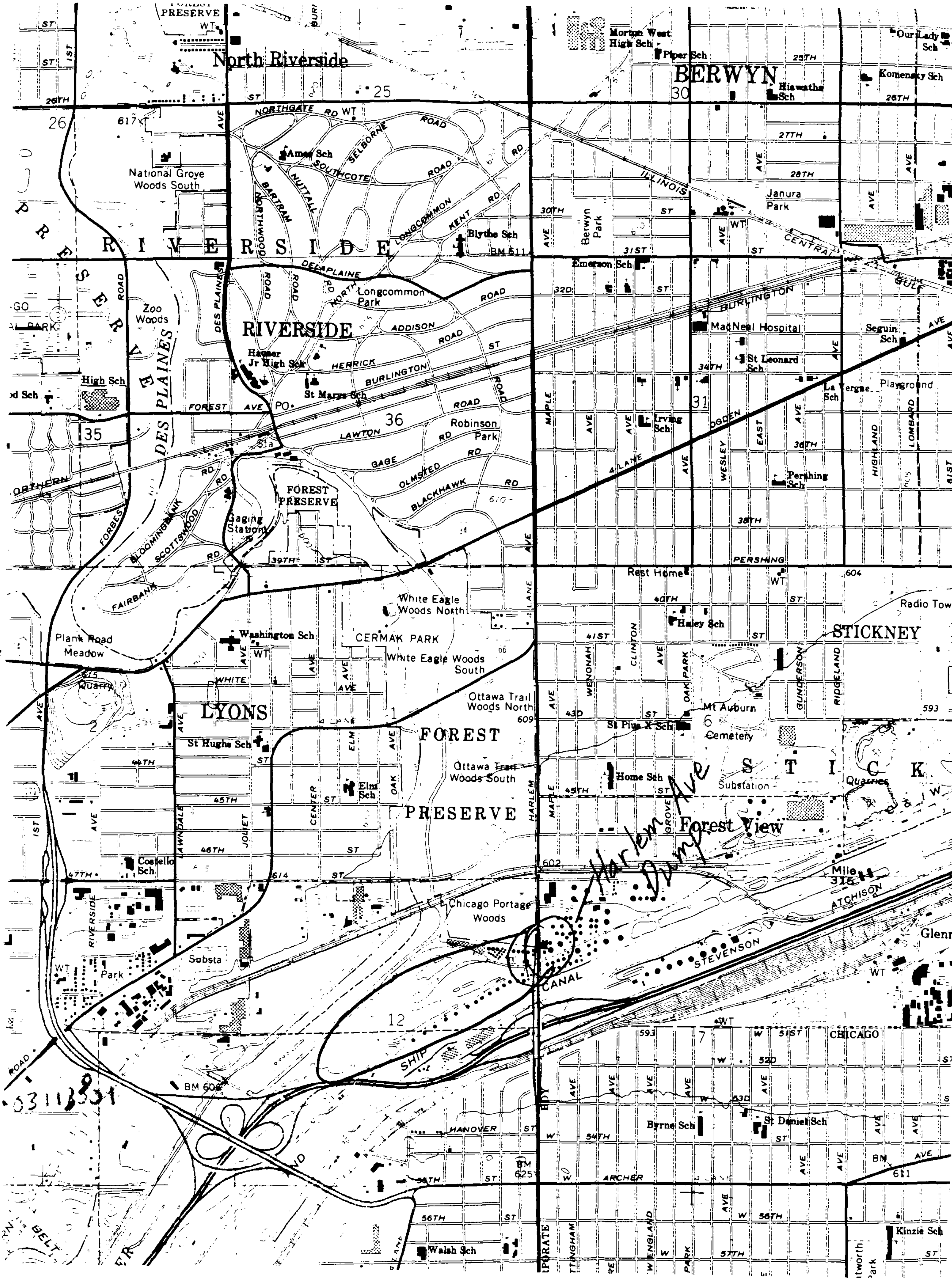
The Harlem Aveneue Dump site has been operated by the Metropolitan Sanitary District of Greater Chicago since the early 1930s as a depository for sludge resulting from sewage treatment. In 1974 MSD began excavation of sludge waste for public distribution in the Nu-Earth project.

Nu-Earth was an Imhoff sludge product which was promoted by MSD as an organic matter supplement and fertilizer. Nu-Earth was used extensively in public-works projects, as a landfill cover amendment to aid in vegetation establishment and individual lawn and garden projects.

Later testing indicated high cadmium levels in Nu-Earth and the project was discontinued in 1978.

A low priority has been assigned to this site due to a lack of evidence indicating an imminent threat to the population or the envirnment. It is felt by this author that ground water monitoring would be in order at this site with testing for heavy metals.

RL:bjh/2526d/33



FOREST PRESERVE
North Riverside
BERWYN
Morton West High Sch
Piper Sch
Our Lady Sch
Komensky Sch
Hiawatha Sch
26TH
NORTHGATE RD
National Grove Woods South
Ames Sch
SELBORNE ROAD
SOUTHCOTE ROAD
NUTTALL
BARTRAM
NORTHWOOD
LONGCOMMON
KENT RD
ILLINOIS CENTRAL GULF
Janura Park
27TH
28TH
30TH
31ST
32D
Berwyn Park
Blythe Sch
Emerson Sch
PRESERVE
RIVERSIDE
DELAPLAINE
NORTH
Longcommon Park
ADDISON
BURLINGTON
MacNeal Hospital
Seguin Sch
Zoo Woods
DES PLAINES
Hauser Jr High Sch
HERRICK
St Marys Sch
St Leonard Sch
34TH
High Sch
FOREST AVE
PO
La Vergne Sch
Playground
LAWTON
Robinson Park
Irving Sch
OGDEN
36TH
Pershing Sch
GAGE
OLMSTED
BLACKHAWK
NORTHERN
FORBES
BLOOMINGBANK
SCOTTSWOOD
Gaging Station
FOREST PRESERVE
38TH
39TH
PERSHING
FAIRBANK
Rest Home
White Eagle Woods North
40TH
Radio Tower
41ST
Haley Sch
STICKNEY
Plank Road Meadow
Washington Sch
CERMAK PARK
White Eagle Woods South
Quarry
WHITE
LYONS
Ottawa Trail Woods North
43D
Mt Auburn Cemetery
St Pius X Sch
St Hughs Sch
44TH
FOREST
Ottawa Trail Woods South
Home Sch
Substation
Quarries
45TH
Elm Sch
PRESERVE
Forest View
46TH
Costello Sch
47TH
Harlem Ave Dump
Mile 315
ATCHISON
Chicago Portage Woods
STEVENSON
Glenn
Substa
Park
CANAL
SHIP
CHICAGO
51ST
52D
53D
BM 606
0311331
HANOVER
54TH
Byrne Sch
St Daniel Sch
ARCHER
55TH
56TH
Walsh Sch
57TH
Kinzie Sch
HARLEM
MAPLE
WESLEY
EAST
HIGHLAND
LOMBARD
GUNDERSON
RIDGELAND
CLINTON
WENONAH
OAK PARK
GROVE
LAWNDALE
JOLIET
CENTER
ELM
OAK
RIVERSIDE
1ST

The District's Public Pick-up Points For

Nu-Earth

	Site	Location		Yrs. of Operations	Current Status	Remedial Action
		Latitude	Longitude			
1.	Harlem Avenue Dump *	41°-48'-08"	87°-48'-33"	Early 1930s to Present	Depository and solids processing area for current Imhoff sludge production	Fenced area; not accessible to general public
2.	Lawndale Avenue	41°-47'-54"	87°-48'-37"	1974-1978	Inactive	Sludge removed
3.	Lombard and 39th Street	41°-49'-16"	87°-46'-47"	1974-1978	Inactive	Sludge removed
4.	Calumet Nu-Earth Distribution Center	41°-39'-57"	87°-35'-42"	1974-1978	New facilities -- dewatering cells and centrifuge facility	IEPA permitted sludge drying site
5.	Skokie - Nu-Earth Distribution Center	42°-01'-32"	87°-43'-02"	1974-1978	Inactive	Sludge removed

* Not a public pick-up point

WHB FYI ORP & file

RECEIVED
Field Operations Section
SEP 30 1976
Environmental Protection Agency
State of Illinois

RECEIVED
WSW

RECONNANISSANCE VISIT NOTES

MSDGC
(Cook County)

NU-EARTH Pickup Sites

Date August 19, 1976

Accompanied by Robert O. Carlson, Principal Agricultural Engineer, MSDGC

RECEIVE

ENVIRONMENTAL PROTECTION AGEN
DIVISION OF WATER POLLUTION CONT
PERMIT SECTION - SPRINGFIELD
STATE OF ILLINOIS

Pursuant to a request from Benn Leland, Manager, FOS DWPC Region II, arrangements were made to conduct inspections of the four principal NU-EARTH pickup sites operated by the MSDGC. Mr. Robert O. Carlson of the MSDGC was the guide during the inspection. Mr. Carlson is titled the Principal Agricultural Engineer, and as such his duties encompasses many of the aspects regarding the ultimate disposal of the sludges generated at the various MSDGC sewage treatment plants.

Mr. Carlson explained that NU-EARTH is a term applied to the air dried, Imhoff sludge excavated from the Harlem Avenue Dump. The Imhoff tanks are located at the orginal West Side Sewage Treatment Works located in nearby Stickney. The West Side Works is part of the large West-Southwest Sewage Treatment Works. According to Carlson the residence time in the Imhoff tanks varies according to the season. During the winter much of this sludge remains in the tanks and digests. The Imhoff sludge is drawn to the very large sand drying beds located at the W-SW Sewage Treatment Works were it is allowed to dry to about 20 to 35% solids. Here it is scouped of the beds with a large mechanical device into railroad cars. The MSDGC operates it's own railroad line parallel to the Chicago Sanitary and Ship Canal which loops around the Harlem Avenue Dump. The sludge is transported here by the railroad cars and is off-loaded. Carlson indicated that this practice has been going on for forty years. Up until a few years ago, scum and grit was disposed at the Harlem Avenue site in selected areas, however this practice has been discontinued in favor of disposing of these materials in landfills.

The NU-EARTH which is being excavated from the Harlem Avenue site has been their for between 20-40 years. Care is taken to prevent digging out the large quantities of scum and grit located in certain areas(mostly to the south and west). Presently contractor trucks are hauling the material from the site(see photo #1). These trucks are currently being loaded with cranes located at grade(see photos #2&#3), however they plan on building a roadway in the excavated pit to facilitate more efficient removal.

Removal of NU-EARTH from this site began in July of 1974, and to date about 433,000 cu. yds. have been removed. According to Carlson at a yearly removal rate of 200,000 cu. yds., the site should be cleared in about 4 to 5 years.

The MSDGC maintains two public pick-up sites near the Harlem Avenue site. The first site visited is called the Lawndale Avenue Site. It is located on Lawndale Ave. between the DesPlaines River and I-55 at the westen most edge of the Harlem Avenue Dump. Photo #4 is a composite view of this site. The DesPlaines River is located about 100 yards to the south of this point. This area is not fenced in, nor are there provisions for containing run-off. It appeared that any runn-off would find it's way to the River. Behind the site, to the north is a dead end portion of the MSDGC railroad, and a Imhoff sludge dumping location (see photo #5). Some of the NU-EARTH at this site contained debris (concrete, railroad ties, etc.), which Carlson said is occassionally found in the excavations. When this material is found in great quantities is is taken to a landfill, otherwise it is sent to one of their pickup sites. They do not transport this "dirty" material to any of the private requesters.

The other nearby site is located south of 39th Street at Lombard Ave. Photos #6,#7, and #8 show some of the activity there at the time. This site is partly fenced in along 39th Street, however access could be gained from the west and south without too much difficulty. Run-off at this site could enter some of the local drainage ditches which are apparently tributary to the Chicago Sanitary and Ship Canal. Evidence of sludge in the nearby ditch was lacking, however. This site is know as the Lombard Avenue Site.

Carlson discussed some of the aspects of the material Nu-Earth on the way to the next site. The substance varies between 30-70% solids as taken from the Harlem Avenue site. Tests have been performed which indicates that the Fecal Coliform levels are about that of normal soil. They have not as of yet detected any viruses in NU-EARTH. He recommeds that 2 to 3 bushels of NU-EARTH be applied for every 100 square feet. If an individual requests 4 truck loads or more, he makes an inspection of the site prior to approval. Some of these sites have included sod farms, new housing sites, and landfills. One example was given where a person wanted to raise the level of his property about 1 foot. However a creek ran along the property, and therefore the requsst was denied.

On the way to the Calumet Area site, one of the municipal pickup sites was visited. This one is run by the Village of Bridgeview. It is located in a field near to the Park District Building (see photo # 9). This site is not fenced, and run-off could reach some local drainage, although there are sewers in the vicinity.

The Calumet NU-EARTH Distribution Center is located on the west side of Doty Avenue north of 130th Street, and east of the Calumet Sewage Treatment Works. Several photos of the site were taken. These photos are combined into a composite panorama. This is numbered as photo #10.

FILE: MSDGC - SLUDGE DISPOSAL

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DWPC - FIELD OPERATIONS SECTION

TELEPHONE CONVERSATION RECORD

RECEIVED
Field Operations Section
APR 6 1978
Environmental Protection Agency
State of Illinois

PERSON CALLED/CALLING: Earl Knight — MSDGC - Asst. Chief Engineer
(ADDRESS OR ORGANIZATION, ETC.)

DATE/TIME: 3/29/78 @ 2:30 P.M. — PHONE NO: 312 751-5724

SUBJECT: Disposal of Nu-Earth Sludge on Dee Dump (111th and LaGrange Road)

SUMMARY OF CONVERSATION

3/29/78

Earl Knight called requesting this office's assistance in determining the District's avenue of relief concerning a recent determination by Tom Cavanagh that Nu-Earth can not be used to fill in depressions and provide "final dressing", all intended to control erosion from an abandoned landfill at 111th Street and LaGrange Road (Dee Dump). Apparently Cavanagh's determination was in response to a request by Mr. Harry Carlson, the responsible operator or owner, of the site and was based on Cavanagh's assessment that such material (Nu-Earth) contained large amounts of cadmium.

Knight contends that such prohibition would basically remove MSDGC from "any" land disposal of sewage sludges since new Federal requirements for crop applications (and associated agricultural uses) are even more restrictive concerning cadmium. Knight stated that Lawndale lagoon sludge (stress dewatered) and Nu-Earth (air dried) have Cadmium concentration ranges of 200 - 1,000 and 50 - 400 ppm, respectively, and that grit type material from the Harlem Avenue Solids Report area has almost no Cadmium. He also contends that these sludges have practically all soluble Cd leached out thru the natural runoff and supernatant return stream operating practices presently being employed by the District.

Knight stated that the succcess of a recent, similar material application of Nu-Earth on the I & M dump, in Summit, has been demonstrated and was permitted by the Agency.

6/4/78

Contacted Tom Cavanagh, DLPC Permits. He has no knowledge of any such letter. Would appreciate receiving said copy. Any application request would be considered, based on submitted, supporting data.

Contacted Earl Knight, MSDGC, he has sent one of his men out to get a copy of "said" letter from Harry Carlson. He will provide Carlson with MSDGC proposal to monitor runoff (to be utilized in his permit application) and will immediately sample existing runoff from dump site (since it is raining today) to establish background concentration.

The writer was contaced by Earl Knight who stated there was no letter. Supposedly a consulting engineer by the name of Andrews had a meeting with Cavanagh in which a negative response was relayed by Cavanagh. MSDGC will prepare a letter, outlining their proposal monitor program for any such application, with distribution to all concerned parties.

CC: DWPC, Permits Spfld.
~~DWPC, Records~~ Unit
DLPC, Permits, T. Cavanagh, Spfld.

Laurence E. Zeeb
(SIGNATURE)

Jim Drank

Nu-Earth

Illinois Institute of Natural Resources

State Geological Survey Division

Natural Resources Building
Urbana, IL 61801
217/344-1481

P.O. Box I
Warrenville, IL 60555
(312) 393-1466
November 8, 1979

Mr. Edward L. Marek
Manager Region II
Field Operations Section
Environmental Protection Agency
1701 S. First Street
Maywood, IL 60153

Dear Mr. Marek:

This is in response to your letter of October 23, 1979, in which you requested our opinion as to whether leachate generated from the sludge storage lagoons at the MSD Lawndale Avenue Treatment Plant could migrate from the lagoons and enter ground and/or surface waters. The disposal lagoons are located in Sections 14, 22, 23, and 27 in T. 38 N., R. 12 E., Cook County. They have been constructed in the center of the Des Plaines River Valley and the river lies immediately northwest of them, while the Chicago Sanitary and Ship Canal is immediately to the southeast.

Well logs, engineering borings, and maps in the files of the Illinois Geological Survey indicate that there is 25 to 40 feet of unconsolidated glacial material filling the Des Plaines River Valley in this area. The glacial material is underlain by Silurian dolomite bedrock. The unconsolidated glacial deposits are primarily alluvial in origin and consist largely of fine-grained clayey silts and silty, sandy clays. All of these materials are logged in engineering borings as being stiff and dense. In addition, some sand, gravel, and boulder beds, with silty clay forming the binder material, were encountered in some of the borings. Several of the deepest borings encountered either 5 to 10 feet of sand and gravel at the base of the drift, or silty clay Wadsworth till directly overlying the bedrock.

We have record of approximately 20 wells that have been drilled within one mile of the disposal lagoons. About a dozen of these wells are located on the Corn Products Refining Company property in Section 23, about one-half mile east of the lagoons and east of the Sanitary and Ship Canal. All of the Corn Products wells utilize the deep sandstone aquifers for water supply and are at least 1500 feet deep. One other 1500 foot sandstone well is located near the center of Section 21, approximately one mile west of the lagoons. In addition, we have record of 7 Silurian dolomite wells within one mile of the disposal facility. All but one of these are located northeast of the lagoons in Sections 15, 16, and 21, and they range in depth from 155 to 390 feet. We do not know if all of these wells are still in use, or if some have been abandoned.

As the Des Plaines River forms both the local and regional ground-water discharge zone in the area, we are reasonably certain that all ground water in the shallow Silurian bedrock and in the glacial drift is moving towards the river, both southeast and the northwest of the valley. This movement towards the discharge zone through both the dolomite and the drift is predominantly lateral, but, beneath the floor of the valley there is an upward component of ground-water movement discharging ground water into the river. As the natural direction of both regional and local ground-water movement thus is directly towards the site of the disposal lagoons in the center of the valley, and leachate is always carried with the flow of ground water, there is no opportunity for migration out of the sludge lagoons into the surrounding ground water. Only heavy pumping of the Silurian dolomite in the area could possibly alter or reverse this natural flow and present pumpage is not sufficiently heavy to do this. Furthermore, as the Silurian dolomite is not particularly productive in this area, due to the presence of several shaley zones in the rock here, increased pumpage is not anticipated. There is also no opportunity for leachate to migrate downward into the deep sandstone aquifers.

When the water level within the lagoons is diked above river/canal level, this water will move laterally and downward through the confining dikes toward the Sanitary and Ship canal. The dikes are composed of fill materials of various components, including a fair percentage of clay. This clay material is effective in attenuating pollutants by ion exchange so that contaminants moving through the dikes will be greatly reduced in potency. Upon entering the Ship Canal, the pollutants will then of course be further diluted in the surface flow.

In summary, I feel that because the sludge lagoons are located in the center of the natural ground-water discharge zone of the Des Plaines River Valley, there is no potential for leachate from these lagoons to enter the ground-water reservoir in the area. Small quantities of pollutants do migrate from the lagoons through the dikes into the Sanitary and Ship canal; however, these contaminants are neutralized in strength by ion exchange in the clay dikes. Furthermore, when they enter the Ship Canal, the contaminants will be highly diluted in the flow of surface water that moves past the site.

Yours truly,

Jean I. Larsen

Jean I. Larsen
Associate Geologist
Hydrogeology and Geophysics Section
Northeastern Illinois Office

This site is not fenced in, nor are there provisions to retain run-off. A ditch is located to the east of the site along Doty Avenue. This ditch is know to be tributary to Lake Calumet.

The next site visited is know as the Skokie NU-EARTH Distribution Center, and is locatd to the north of the North Side Sewage Treatment Works south of Oakton Avenue near St. Louis Avenue. Several persons were present at the site collecting the sludge, (see photos # 11 and #12). A dozer was grading the material at the time (see photo #13). Mr. Calson picked up a handful of the material to take a photo, which is #14. To the south of the pickup site is located very large stock-piles of the material (see photos #15 and #16). The entire area is well fenced in, however there are no provisions to retain run-off. Run-off would possibly find it's way to the North Shore Channel, however this could not be determined.

Finally a municipal pickup site located in the Village of Oak Park was inspected. It is located in the parking lot of the Department of Public Works located at 634 North Blvd. The material is located in the corner, and is fenced in. Run-off would most likly drain into the parking lot sewer, which is a combined sewer. No photos were taken.

A list of the communities receiving NU-EARTH is attached.

Michael J. Schmitt

Michael J. Schmitt, Environmental Protection Engineer

MJS:mjs
CC - Records Unit, FOS/DWPC
Darryll Bauer, Permit Section, DWPC

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	New Site

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 [X] A. GROUNDWATER CONTAMINATION — 02 [ ] OBSERVED (DATE _____) — [X] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: NA — 04 NARRATIVE DESCRIPTION

Imhoff sludge (Nu-Earth) in Landfill situation
Nu-Earth has >150 ppm Cadmium.

01 [X] B. SURFACE WATER CONTAMINATION — 02 [ ] OBSERVED (DATE _____) — [X] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ — 04 NARRATIVE DESCRIPTION

Site between Des Plaing River and Chicago Sanitary and ship canal, Ground water surfaces at Des Plains River

01 [ ] C. CONTAMINATION OF AIR — 02 [ ] OBSERVED (DATE _____) — [ ] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

01 [ ] D. FIRE/EXPLOSIVE CONDITIONS — 02 [ ] OBSERVED (DATE _____) — [ ] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

01 [ ] E. DIRECT CONTACT — 02 [ ] OBSERVED (DATE _____) — [ ] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

01 [X] F. CONTAMINATION OF SOIL — 02 [ ] OBSERVED (DATE _____) — [X] POTENTIAL — [ ] ALLEGED
03 AREA POTENTIALLY AFFECTED Unk (Acres) — 04 NARRATIVE DESCRIPTION

See A

01 [ ] G. DRINKING WATER CONTAMINATION — 02 [ ] OBSERVED (DATE _____) — [ ] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ — 04 NARRATIVE DESCRIPTION

01 [ ] H. WORKER EXPOSURE/INJURY — 02 [ ] OBSERVED (DATE _____) — [ ] POTENTIAL — [ ] ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

01 [ ] I. POPULATION EXPOSURE/INJURY — 02 [ ] OBSERVED (DATE _____) — [ ] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	New Site

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES (Spills, runoff, standing liquids, leaking drums) — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED _____ 04 NARRATIVE DESCRIPTION

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: 0

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

IEPA Files (Water)

EPA FORM 2070-12 (7-81)